Dual M.S. and M.A. Program in Mathematics and Economics

Degree Worksheet

Program requirements

A minimum of 51 credits of graduate work is required for the Dual M.S. and M.A. Program in Mathematics and Economics, including at least 21 credits of course work in mathematics and at least 21 credits of course work in economics. In addition, 15 of 21 credits of mathematics course work must be at the 700 level, and 18 of 21 credits of economics courses must be at 700 level. A minimum GPA of 3.00 is required for the graduate course work that is part of the degree program. The following specific requirements must be met:

Mathematics Core Requirements: Eighteen credits from

- MAT 657, Introduction to Real Analysis I
- MAT 663, Advanced Matrix Theory and Applications
- MAT 707, Real Analysis I
- MAT 709, Complex Function Theory I
- MAT 723, Advanced Ordinary Differential Equations I
- MAT 771, Applied Analysis I
- STA 761, Regression and Multivariate Analysis I
- STA 762, Regression and Multivariate Analysis II
- STA 767, Mathematical Statistics I
- STA 768, Mathematical Statistics II

Economics Core Requirements: Eighteen credits from

- ECO 702, Microeconomic Theory
- ECO 740, Mathematical Economics
- ECO 770, Econometrics I, Statistical Modeling
- ECO 772, Econometrics II
- ECO 793, Seminar in Economics Research

Three credits of MAT or STA course work at the 700 level in a field of special interest to the student, excluding those credits used to meet the Mathematics Core Requirements

Three credits of ECO course work at the 600 or 700 level in a field of special interest to the student, excluding those credits used to meet the Economics Core Requirements.

Six credits for the thesis in MAT 791 or STA 791.
Students are required to defend a thesis on subjects in the interdisciplinary area of Mathematics and Economics. The thesis committee composes at minimum two graduate faculty members from the Economics Department.

Three credits for a professional paper, ECO794.

The committee for the professional paper composes at most two graduate faculty members from the Mathematics Department.